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(54) BIODEGRADABLE POLYLACTIDE, POLYGLYCOLIDE OR LACTIDE GLYCOLIDE COPOLYMER/POLY- ϵ -CAPROLACTONE MULTI-BLOCK COPOLYMER AND ITS PRODUCTION METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a biodegradable copolymer which excels in mechanical properties such as flexibility and elasticity and can suitably control the period of biodegradable time, its production method, and a medical treatment material from the above biodegradable copolymer.

SOLUTION: The biodegradable multi-block copolymer is represented by formula (1): $-(A-COO-PCL-COO-)_n-$ [wherein A is a polylactide (PL), a polyglycolide (PG) or a polylactide polyglycolide copolymer (PL/PG); PCL is a poly- ϵ -caprolactone; and n is an integer of 2-2,000), and its production method is disclosed.

